ABSTRACT OF THE DISCLOSURE

A run-time engine may be utilized to execute software applications. In particular, a user may develop customized application utilizing a development tool. The development tool provides a graphical user interface method of creating software application utilizing visual languages such as VISUAL BASIC, VISUAL C, etc. The resulting software application may be a combination of pseudo-code, compiled program scripts, graphical user interface definitions, etc. The software application(s) may be transmitted to a mobile device (e.g., a two-way text pager) for storage and execution. When a user activates the software application on the mobile device, the run-time engine is instantiated and the software application. Accordingly, by executing the run-time engine, the software application may generate screen displays on-the-fly with a minimal amount of storage space required by the software application. Moreover, by run-time engine provides an execution platform for software applications created by a development tool utilizing a visual programming language, thereby increasing the facility of software application development.